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(19) **United States**(12) **Patent Application Publication****Peragon Ortega et al.**(10) **Pub. No.: US 2020/0199399 A1**(43) **Pub. Date: Jun. 25, 2020**(54) **NEW GEL-COAT ADDITIVATED WITH
TITANIUM DIOXIDE AND ALUMINA
PARTICLES**(52) **U.S. CL.**
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167/00 (2013.01)(71) Applicant: **Liderkit SL**, Jaén (ES)(72) Inventors: **Miguel Peragon Ortega**, Jaen (ES);
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C09D 7/40 (2006.01)(57) **ABSTRACT**

The new gel-coat additivated with titanium dioxide and alumina particles described in this patent has direct application in the field of construction, external parts of construction material surfaces or urban items, and also in the transport sector, as this type of material has photocatalytic properties capable of decomposing the NOx currently found in large cities. Additionally, this new material has self-cleaning, biocidal and deodorizing properties, which allow for its application to the maritime transport sector, where it would help to overcome the induced resistance due to the attachment of sea life to vessel hulls, thus enabling to reduce their cleaning costs.

